

From: [Charles Randklev](#)
To: [Oetker, Susan](#)
Cc: [Kentaro Inoue](#)
Subject: Re: hornshell museum samples
Date: Monday, August 7, 2017 7:50:14 AM

Thank you!

From: Oetker, Susan <susan_oetker@fws.gov>
Sent: Monday, August 7, 2017 7:10:15 AM
To: Charles Randklev
Cc: Kentaro Inoue
Subject: Re: hornshell museum samples

Sure thing! Here you go.

b5
[REDACTED]

Susan Rogers Oetker
US Fish and Wildlife Service
Region 2- RO Ecological Services
1875 Century Blvd NE, Suite 200
Atlanta, GA 30345
404-679-7050
cell-505-856-8573
fax 404-679-7081

On Sun, Aug 6, 2017 at 1:08 PM, Charles Randklev <crandklev@ag.tamu.edu> wrote:
Change of plans, do you have a conference line we can use. I need to pick up a bunch of handouts from a FedEx near my house, which is in FW, around noon. So, I won't be up to lab until early afternoon.

From: Charles Randklev
Sent: Friday, August 4, 2017 2:02:07 PM
To: Oetker, Susan; Kentaro Inoue
Subject: Re: hornshell museum samples

Cool, he mentioned getting into Mexico at the meeting in Cleveland.

From: Oetker, Susan <susan_oetker@fws.gov>

Sent: Friday, August 4, 2017 12:50:47 PM

To: Kentaro Inoue

Cc: Charles Randklev

Subject: Re: hornshell museum samples

Also, in the time you have over the weekend, think about yours and Charles' availability and willingness to collaborate with Kevin Cummings on field visits to Mexico. We can talk more on Monday.

Thanks!

Susan Rogers Oetker
US Fish and Wildlife Service
Region 2- RO Ecological Services
1875 Century Blvd NE, Suite 200
Atlanta, GA 30345
404-679-7050
cell-505-856-8573
fax 404-679-7081

On Fri, Aug 4, 2017 at 11:32 AM, Oetker, Susan <susan_oetker@fws.gov> wrote:
Will do. Thanks.

Susan Rogers Oetker
US Fish and Wildlife Service
Region 2- RO Ecological Services
1875 Century Blvd NE, Suite 200
Atlanta, GA 30345
404-679-7050
cell-505-856-8573
fax 404-679-7081

On Fri, Aug 4, 2017 at 11:19 AM, Kentaro Inoue <Kentaro.Inoue@ag.tamu.edu> wrote:
We will be in the same office. Please call Charles' cell phone. Thanks!

On August 4, 2017 at 10:16:39, Oetker, Susan (susan_oetker@fws.gov) wrote:

great. are you guys in the same office or should I set up a call line?

Susan Rogers Oetker
US Fish and Wildlife Service
Region 2- RO Ecological Services
1875 Century Blvd NE, Suite 200
Atlanta, GA 30345

404-679-7050
cell-505-856-8573
fax 404-679-7081

On Fri, Aug 4, 2017 at 11:06 AM, Kentaro Inoue
<Kentaro.Inoue@ag.tamu.edu> wrote:

Hi Susan,

How about 9am CST?

Ken

On August 4, 2017 at 09:53:53, Oetker, Susan (susan_oetker@fws.gov)
wrote:

Let's have a call. Can you guys do Monday? I'm good
anytime.

Susan Rogers Oetker
US Fish and Wildlife Service
Region 2- RO Ecological Services
1875 Century Blvd NE, Suite 200
Atlanta, GA 30345
404-679-7050
cell-505-856-8573
fax 404-679-7081

On Fri, Aug 4, 2017 at 10:51 AM, Charles Randklev
<crandklev@ag.tamu.edu> wrote:

Hi Susan, all of the museum samples I've seen for hornshell
are dry material, either desiccated tissue or shell. The
Smith has wet material (i.e., the Bereza collection), but it's
preserved in formalin, which can be sampled but it's really
expensive and the chance of success is low. Ken and Dave
Hayes have had good success with extracting DNA from the
ligament and/or residue tissue, again though it's not
perfect. Our plan is to start visiting museums again later
this fall to continue validating our database, but Ken and I
were talking about developing a molecular database for
type-specimens to help resolve taxonomic related
questions. Basically, Ken would extract DNA from the type
specimens, starting with the southwest first, and then run
phylogenetic analysis to validate the taxonomic identity for
species pending review. We don't have any funding for this,
but we could use hornshell as a way to get things going?

Thoughts?

Best,
Charles

From: Oetker, Susan <susan_oetker@fws.gov>

Sent: Friday, August 4, 2017 9:11:15 AM

To: Kentaro Inoue; Charles Randklev

Subject: hornshell museum samples

Hey Ken and Charles!

Question about the museum records of hornshell from Mexico. Have you run genetic samples of them, and if not, is that possible? What I mean is, do the samples contain intact DNA that you could analyze? If so, we may have money to do this.

Let me know what you think.

Thanks!

Susan

Susan Rogers Oetker
US Fish and Wildlife Service
Region 2- RO Ecological Services
1875 Century Blvd NE, Suite 200
Atlanta, GA 30345
404-679-7050
cell-505-856-8573
fax 404-679-7081